## **AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0008] contained in the originally filed specification of the above-identified patent application with the following annotated replacement paragraph [0008].

[8000]The present invention power end seal 10 is designed for, among other purposes, use in gear boxes (not shown) for reciprocating pumps to retain the lubricants used within the gear boxes. Conventional seals used in gear boxes can exhibit special sealing concerns due to high duty cycles, extension rods on pump power ends, and other rod and shaft misalignment in low system pressure applications. The present invention power end seal 10 is a composite seal that optimizes the properties of elastomers and plastic or elastomer composite materials. The present invention power end seal 10 is generally comprised of a U-shaped, circular seal body 12 having a plurality of arced or tangentially-positioned ribs 14 disposed between an inner diameter wall 16 and the outer diameter wall 18. Further, the present invention power end seal 10 includes an inner diameter dynamic seal 20 consisting of a plastic or elastomer filled composite material and the outer diameter rubber static seal 22. One of the primary benefits of the present invention power end seal 10 is its flexibility to compensate for run-out, or eccentricity. In other words, the power end seal 10 can withstand a large amount of deflection and still maintain static interference in the packing bore (not shown). Another benefit of the present invention power end seal 10 is that it can withstand the above-described deflection while minimizing radial squeeze to reduce heat build up and reduce seal wear. The inner dynamic seal 20 being comprised of plastic or elastomer filled composite material, i.e., for example PTFE, bronze filled PTFE, carbon filled PTFE or aramid fiber filled HNBR (rubber), significantly reduces the wear of the dynamic seal 20 of the seal body 12 while maintaining an effective and flexible dynamic seal 20 and static seal 22. The plurality of tangentially positioned ribs 14 provide flexible tension between the inner wall 16 and outer wall 18 of the power end seal 10 to maintain static interference in the packing gland (not shown), which is especially useful where there is no system pressure in the power ends of the gear boxes (not shown). [[A]] An open, u-shaped channel portion 28 is defined by the internal space between the inner diameter wall 16 and the outer diameter wall 18. A seat portion 23 is defined by the external surface of the seal body 12 affixed to a lower end of the inner diameter wall portion 16 and the lower end of the outer wall portion 18. The plurality of ribs 14 are tangentially positioned between the inner diameter wall 16 and the outer diameter wall 18 and are attached to a top surface 30 of the channel portion 28. The present invention power end seal 10 can be used in operating temperatures ranging from -20 to 300 degrees F. Various parts of the power end seal 10 are produced from the processes of compression, injection or transfer molded elastomer. Adhesion of the inner diameter wall 16 and outer diameter wall 18 is achieved by adhesive bonding in the molding process for dissimilar materials. Similar materials such as elastomer to fiber filled elastomer is generally achieved by the process of co-vulcanization. The use of higher modulus materials for the inner diameter dynamic seal surface 20, generally provides that the inner dynamic seal surface 20 does not pull away from the connecting rod (not shown) during operation of the pump (not shown). Rather, diametrical Serial Number 10/761,041 Group Art Unit 3676

tension causes the inner diameter dynamic seal 20 to travel with the connecting rod (not shown) thus reducing leakage within the gear box (not shown). The use of plastic of elastomer filled composite material on the inner diameter dynamic seal 20 reduces the footprint or exposure of the higher friction elastomer used to form the seal body 12. Additionally, the present invention power end seal 10 discloses various lip profiles 24, 26 at the upper ends of the inner wall 16 and outer wall 18. Different lip profiles can be formed to the inner wall 16 and outer wall 18 depending upon the specific application for the power end seal 10.